



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

AUG 22 2001

400 Seventh St., S.W.
Washington, D.C. 20590

DOT-E 2709
(SEVENTEENTH REVISION)

EXPIRATION DATE: January 31, 2003
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(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: The U.S. Department of Defense (DOD)
Washington, D.C.

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of certain Division 1.1C, 1.1D and 1.3C liquid explosives in both UN specification and non-specification packagings. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with other uses not associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.24(c) and 173.62 for packaging not authorized, except as specified herein, § 173.54(e) in that trimethyloethane trinitrate is forbidden for transport and § 177.834(L)(1), except as specified herein.

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5. BASIS: This exemption is based on the March 8, 2001 application submitted by the Department of Defense in accordance with 49 CFR 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Substances, explosive, n.o.s.	1.1C	UN0474	II
Substances, explosive, n.o.s.	1.1D	UN0475	II
Substances, explosive, n.o.s.	1.3C	UN0477	II

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed may be a DOT specification or non-specification container described as follows:

(1) UN Specification 6HA1 metal drum with a rated capacity of 30 gallons. Drums must be palletized, four drums to a foam-plastic or wooden skid. The drums must be secured to the skid as described in the Department of the Navy's letter dated November 13, 1981.

(2) Non-DOT specification drum constructed in accordance with Allegheny Ballistics Laboratory Drawings Nos. 1343-K and 9652-F. Drums must be securely attached to strong wooden skids. Each drum must not exceed 125 gallons capacity, nor contain more than 850 pounds of the material.

(3) Specifically designed container constructed as described in Hercules Powder Company, Incorporated, Allegheny Ballistics Laboratory, Rocket Center, West Virginia, Drawings ABL-7923, ABL-7924-B and ABL-8200. Capacities of these containers are limited for transportation to 600 pounds.

(4) Desiccators described in Radford Arsenal Drawings Nos. HRP 37-7946, HRP 37-4130-A, HRP 37-4130-B, HRP 37-7947, and HRP 37-4167, on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA).

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capacity) described in Radford Arsenal Drawings Nos. 20220, 24015, on file with OHMEA. Also in desiccators described in Hercules Incorporated, Magna, Utah Drawing No. 83282J00231 Revisions H and J on file with the OHMEA.

b. OPERATIONAL CONTROLS -

(1) Wire tying of container closures is limited to soft (rubber or rubber-like material) plugs, each to have a metal backing plate extending across its top surface, with tying holes matching those in the flange of the opening. At least two wires, No. 6 gauge aluminum or equivalent must be used on each closure.

(2) Containers must be inspected before each shipment for leakage, and containers showing defects which might result in leakage during transit must not be continued in this service. Closing and/or venting devices must be of such design that leakage will not occur during transportation; they must be so constructed that the liquid will not be subjected to friction or impact between any two metal surfaces.

(3) Vehicle used must be a tractor-trailer combination having a minimum design load capacity of not less than 3,500 pounds per square foot (full trailers not authorized). If the vehicle is equipped with a heating or refrigerating unit, it must meet the conditions specified in § 177.834(L)(2)(iii)(A) except paragraph(4). DEGDN, nitroglycerin/diethylene glycol mixtures, and nitroglycerin/triacetin mixtures must be transported in vehicles maintained at a temperature of not less than 60°F. In any case, the temperature must be controlled so that there is no separation of any component of the mixture during transportation. Also vehicle shown in Hercules Incorporated, Magna, Utah Drawing No. 083-0711-52006-5BU-01 and modified by Engineering Orders Nos. 13628 and 13910 on file with the OHMEA may be used. The net load may not exceed 39,600 pounds.

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(4) Trimethylolethane trinitrate must be shipped in temperature controlled vans in which the temperature may not be less than 35°F nor more than 100°F. Temperature control units must comply with § 177.834(L)(2)(iii). Temperature control is not required when it has been demonstrated by test that there is no difference in the sensitivity of the liquid, the solid (frozen) and a mixture of liquid and solid.

(5) Lading in motor vehicles must be inspected not less than once every hundred miles while in transportation to see that the containers are not leaking. Each shipment must be routed straight through as a continuous trip without stopover or layover except as necessitated by mechanical failure or adverse weather conditions.

(6) More than one type of liquid explosive is authorized on a motor vehicle provided that:

(i) the liquid explosives are authorized for shipment under this exemption;

(ii) they are packed in authorized packagings; and

(iii) their compatibility groups are authorized for mixed stowage by § 177.848.

(7) Transportation by vessel is permitted only for the Division 1.1C, 1.1D and 1.3C liquid explosives described in paragraph 6 above which are packaged in accordance with paragraph 7.a. and b. and; have a freezing point of -10°F (-23°C) or colder, except as provided in the last sentence of paragraph 7.b.(4).

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

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c. Transportation by motor vehicle under a government bill of lading may be performed only by motor carriers specifically approved by the U.S. Department of Defense, Military Traffic Management Command. This requirement does not apply to motor vehicle shipments made under a commercial bill of lading.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
 - o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Registration required by § 107.601 et seq., when applicable.

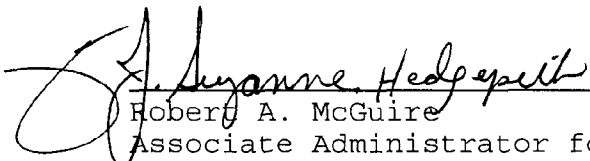
Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable.

(Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued at Washington, D.C.:


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

AUG 22 2001

(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

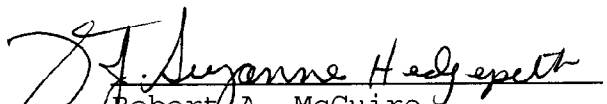
The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: DBURGER

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Alliant Aerospace Co. Magna, UT	2/7/2001	2/16/2001	1/31/2003
Alliant Aerospace Propulsion Company LLC Magna, UT	2/7/2001	6/7/2001	1/31/2003
Alliant Ammunition & Powder Co. LLC Radford, VA	2/7/2001	2/16/2001	1/31/2003
ATK Tactical Systems Company LLC (Former Grantee: Alliant Missile Products Company LLC) Rocket Center, WV	8/9/2001	AUG 22 2001	1/31/2003
Alliant Propulsion and Composites LLC Magna, UT	2/7/2001	2/16/2001	1/31/2003
Atlantic Research Corporation Gainesville, VA	3/14/2001	6/7/2001	1/31/2003
Copperhead Chemical Company, Inc., Tamaqua, PA	4/12/2001 & 8/21/2001 submitted per 107.117	6/7/2001	1/31/2003
General Dynamics Ordnance & Tactical Systems (OTS) East Camden, AR	6/28/2001	7/26/2001	1/31/2003


 Robert A. McGuire
 Associate Administrator for
 Hazardous Materials Safety